

**SYSTEM AND METHOD FOR GEOREFERENCING DIGITAL  
RASTER MAPS**

**ABSTRACT OF THE DISCLOSURE**

5           The preferred embodiment provides a system and method for  
georeferencing digital raster maps by associating specific points on the raster  
map with corresponding points on a georeferenced vector map or another  
georeferenced raster map. According to the preferred embodiment, a raster  
map and a corresponding vector map are simultaneously displayed to a user.  
10       The user then locates a common geographic point or feature on each map, and  
marks each of them as a unique point-pair. When the user has marked at least  
two point-pairs, the system then computes a georeferencing function, based on  
the pixel-coordinates of the points marked on the raster map and the  
corresponding geographic coordinates of the points on the vector map.  
15       Thereafter the geographic coordinates of any point on the map may be easily  
computed. The preferred embodiment provides that as more point-pairs are  
identified, the georeferencing function is modified for increased accuracy.